



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: CHANG, Yuan-Chi, et al.

Application No.: 10/064,605

Group Art Unit: 2161

Filed: February 24, 2005

Examiner: To Be Assigned

For:

Atty Docket No.: YOR920040249US1

METHOD FOR MERGING MULTIPLE RANKED
LISTS WITH BOUNDED MEMORY

**INFORMATION DISCLOSURE STATEMENT
PURSUANT TO 37 C.F.R. §§ 1.56 & 1.97(b)(3)**

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

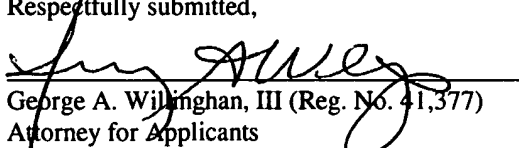
Sir:

In accordance with the duty of disclosure provisions of C.F.R. § 1.56, Applicants hereby submit and bring to the Examiner's attention the 7 references listed on the two attached Substitute for form 1449/PTO. In accordance with the PTO's waiver of the requirement for submitting copies of cited U.S. patents and patent application publications, copies of cited reference A is not enclosed, because this reference are either U.S. patents or patent application publications. Copies of references B -H are enclosed. It is requested that the Examiner make this information of record in the case by initially each reference, signing and dating each sheet and returning a copy of the signed sheets to the applicant.

Since this Information Disclosure Statement is being filed under 37 C.F.R. §1.97(b)(3) before the mailing of a first office action on the merits, no fee is believed due.

Respectfully submitted,

Dated: May 17, 2006


George A. Willingham, III (Reg. No. 41,377)
Attorney for Applicants
P.O. Box 19080
Baltimore, MD 21284-9080
410-832-8801 (telephone)

Enclosures

Substitute for form 1449/PTO

PTO/SB/08A (07-05)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	1	of	2
-------	---	----	---

Complete if Known

Application Number	11/064,605
Filing Date	February 24, 2005
First Named Inventor	CHANG, Yuan-Chi
Art Unit	2161
Examiner Name	
Attorney Docket Number	YOR920040249US1

U. S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

[illegible]

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete if Known	
		Application Number	11/064,605
		Filing Date	February 24, 2005
		First Named Inventor	CHANG, Yuan-Chi
		Art Unit	2161
		Examiner Name	TO BE ASSIGNED
Sheet 2	of 2	Attorney Docket Number	YOR920040249US1

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	B	SURAJIT CHAUDHURI, "An Overview of Query Optimization in Relational Systems", 17th ACM SIGACT-SIGMOD-SIGART Symposium on Principles of Database Systems, PP.34-43, Seattle, WA (1998).	
	C	RONALD FAGIN, "Combining Fuzzy Information from Multiple Systems", 15th ACM-SIGACT-SIGMOD-SIGART Symposium on Principles of Database Systems pp216-226, Montreal, Canada (1996).	
	D	RONALD FAGIN, AMNON LOTEM, MONI NAOR, "Optimal Aggregation Algorithms for Middleware" ACM Symposium on Principles of Database Systems, pp.102-113 (2001).	
	E	ULRICH GUNTZER, WOLF-TILO BALKE, WERNER KIESSLING, "Optimizing Multi-Feature Queries for Image Databases" 26th VLDB Conference p.419-428, Egypt 2000.	
	F	P. CIACCIA, et al "Processing Complex Similarity Queries with Distance-based Access Methods" Proceedings of 6th Int'l Conf. on Extending Database Technology p9-23 Spain (1998).	
	G	Surajit Chaudhuri, Luis Gravano, "Optimizing Queries over Multimedia Repositories", Proceedings of the Int'l Conference on Management of Data, pp.96-102, Montreal, Canada (1996).	
	H	Ronald Fagin, Amnon Lotem, Moni Naor, "Optimal Aggregation Algorithms for Middleware" Proceedings of the ACM Symposium on Principles of Database Systems, pp102-113 (2001).	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



PTO/SB/92 (09-04)

Approved for use through 07/31/2006. OMB 0561-0031
Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Certificate of Mailing under 37 CFR 1.8

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to:

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

on May 17, 2006

Date

Enclosed with this correspondence are an information disclosure statement, two substitute for form 1449/PTO, and copies of six references.

George A. Willingham

Signature

Typed or printed name of person signing Certificate

41,377

Registration Number, if applicable

410-832-8801

Telephone Number

Note: Each paper must have its own certificate of mailing, or this certificate must identify each submitted paper.

This collection of information is required by 37 CFR 1.8. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 1.8 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.